	Application No.	Applicant(s)	low
Notice of Allowability			
	10/600,466 Examiner	LEE ET AL.	
	Douglas W Owens	2811	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP	(OR REMAINS) CLOSED in the or other appropriate communic IGHTS. This application is sub	is application. If not inclu cation will be mailed in du	ded e course, THIS
1. $igstyle$ This communication is responsive to the restriction to the restriction $rac{1}{2}$	ction requirement filed May 24,	<u>2004</u> .	
2. ☑ The allowed claim(s) is/are <u>g and 10</u> .			
3. $igotimes$ The drawings filed on $\underline{23\ June\ 2003}$ are accepted by the E	xaminer.		
4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the deponant of the depona	e been received. be been received in Application It cuments have been received in of this communication to file a MENT of this application. be the attached EXAM as reason(s) why the oath or dest be submitted. son's Patent Drawing Review (as Amendment / Comment or in the header according to 37 CFR as it of BIOLOGICAL MATER	No In this national stage application is deficient. PTO-948) attached the Office action of drawings in the front (not the color). IAL must be submitted.	equirements NOTICE OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 6/23/03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sum Paper No./Ma 7. ☑ Examiner's An 8. ☑ Examiner's Sta 9. ☐ Other		llowance EXAMINER

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joe McKinney Mundy on June 9, 2004.

The application has been amended as follows:

Cancel non-elected claims 1 – 8.

Change the title to read, "Method for Fabricating Semiconductor Device with Loop Line Pattern Structure".

Delete the last sentence of the Abstract, which reads, "By using the alternating phase shift mask to pattern gate-lines or active areas in a DRAM array, no unwanted image is created in the DRAM array and only one exposure is needed to achieve high resolution requirement.

Allowable Subject Matter

- 2. Claims 9 and 10 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The prior art does not teach, alone or in combination, a method of manufacturing DRAM chips including providing an alternating phase-shift mask with opaque lines having a dark loop and a portion enclosed and defined by the dark loop.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas W Owens whose telephone number is 571-272-1662. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DWO

EDDIE LEE
SUPERVISORY PATENT EXAMINER
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